

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

Fig. 1

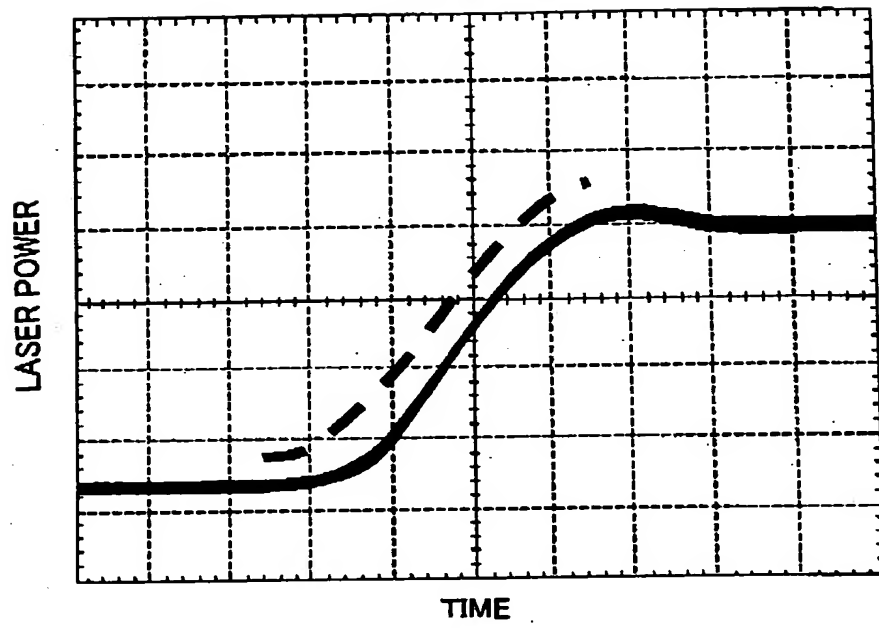


Fig. 2

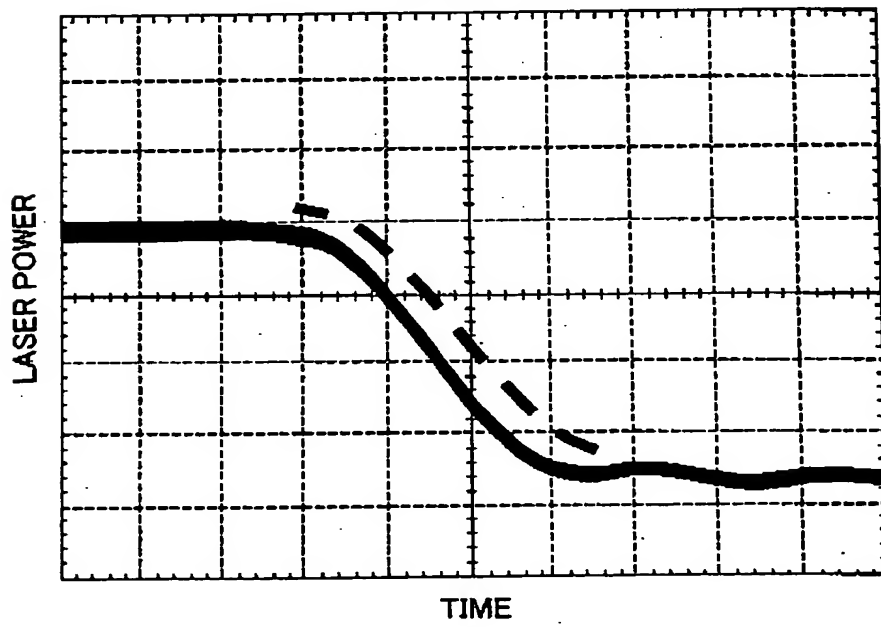


Fig. 3

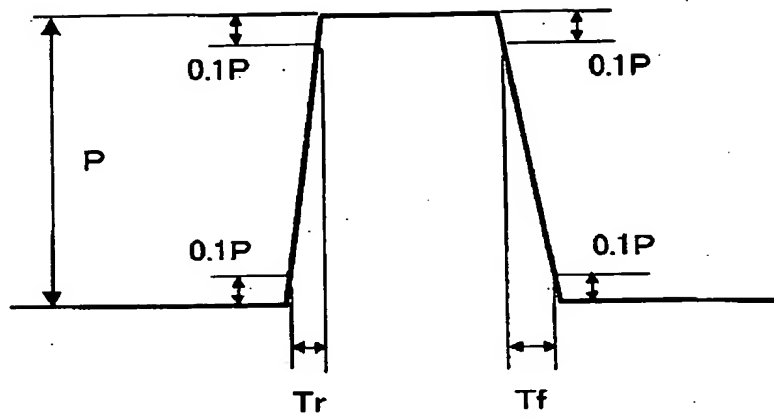


Fig. 4

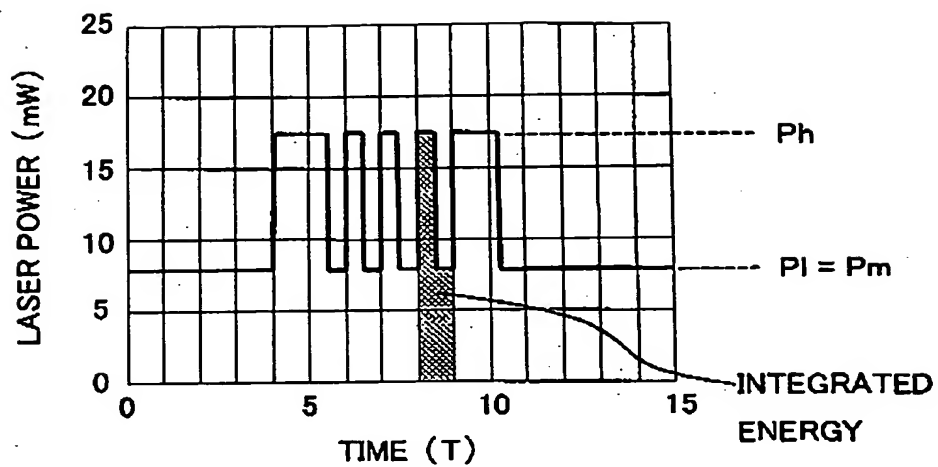


Fig. 5

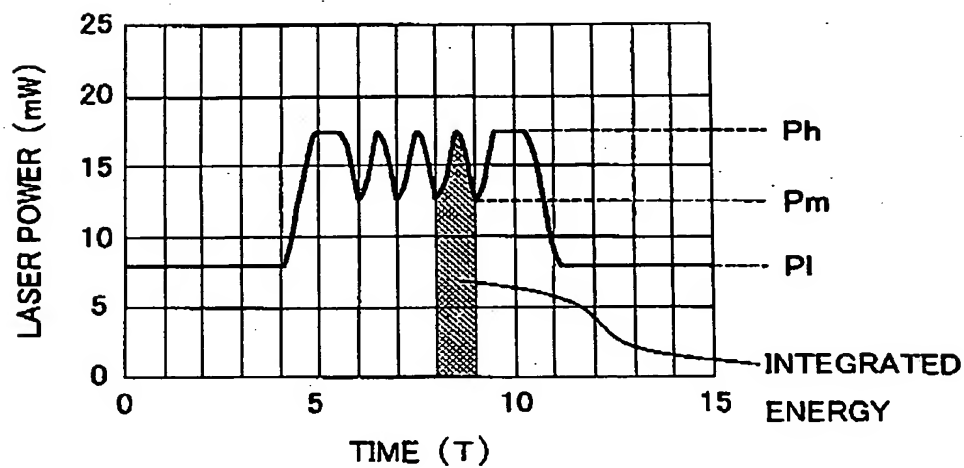


Fig. 6

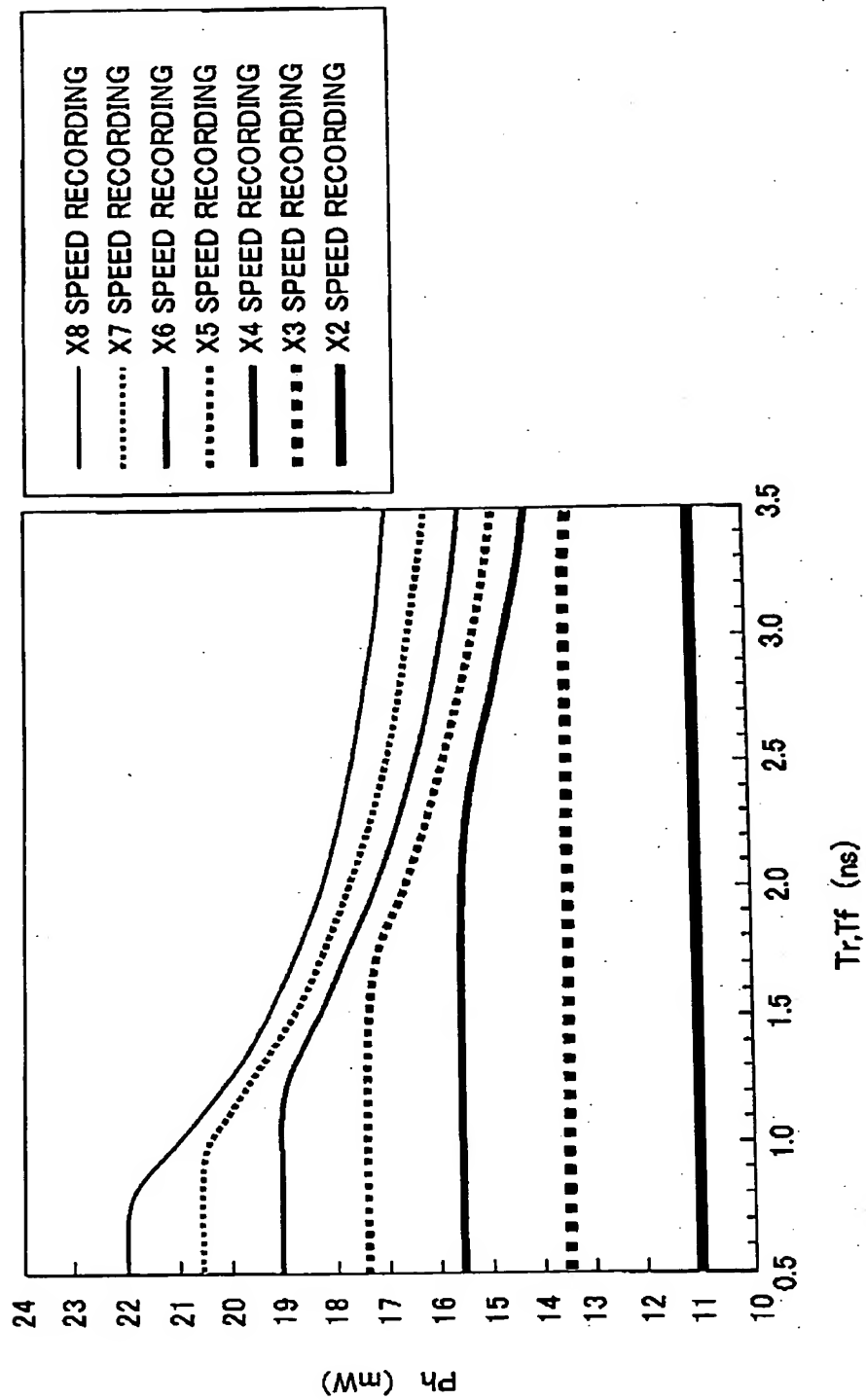
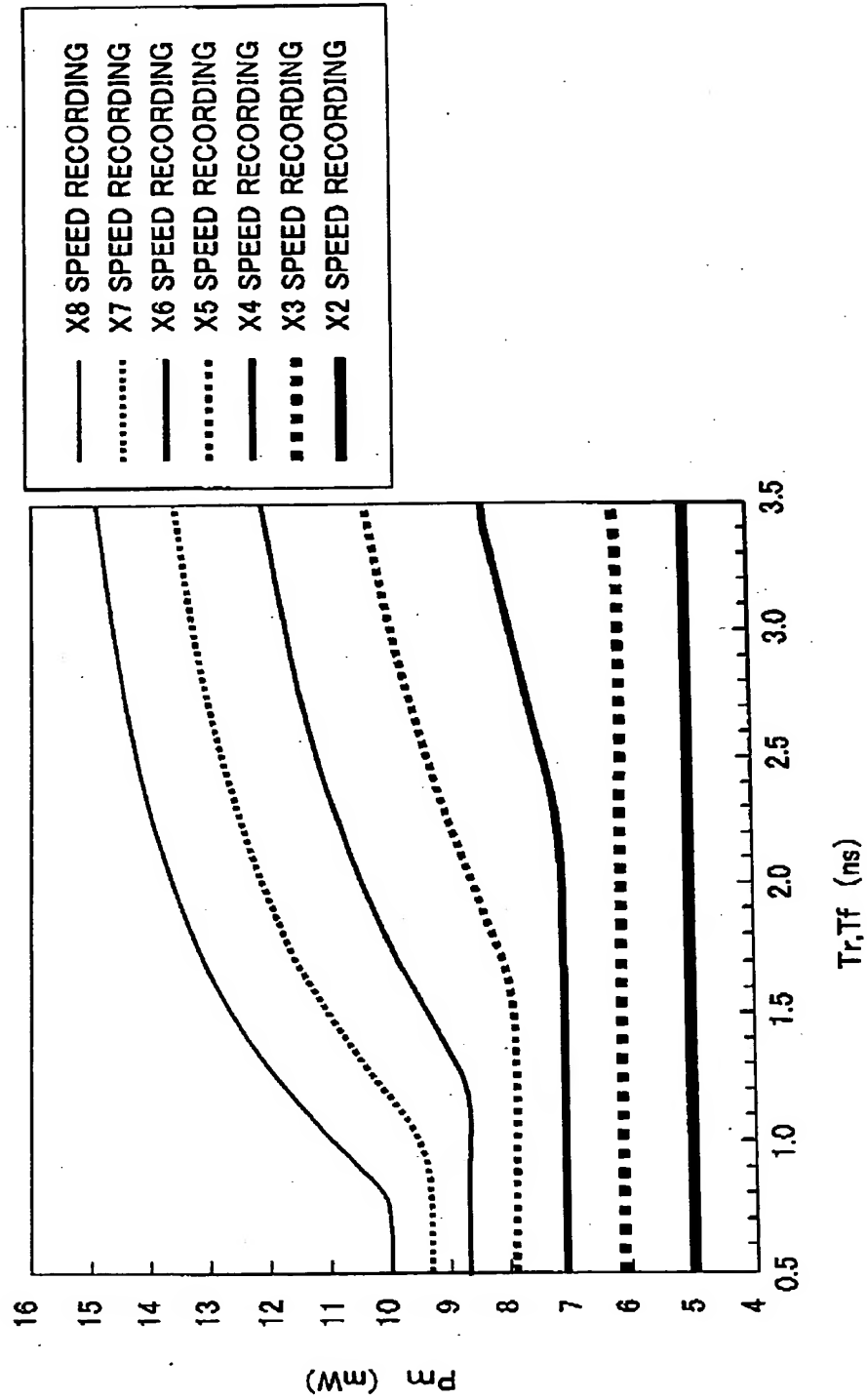


Fig. 7



8.
5.
2.

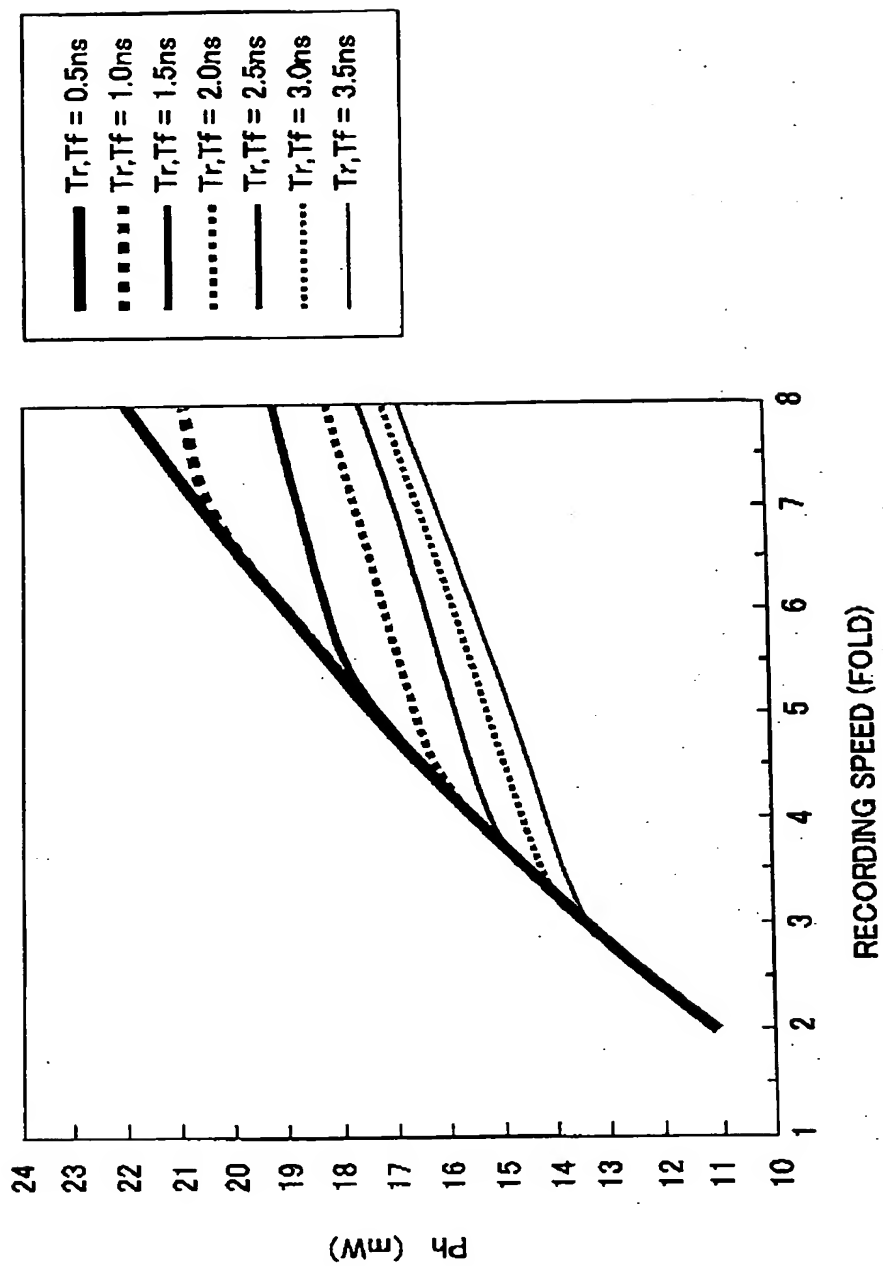


Fig. 9

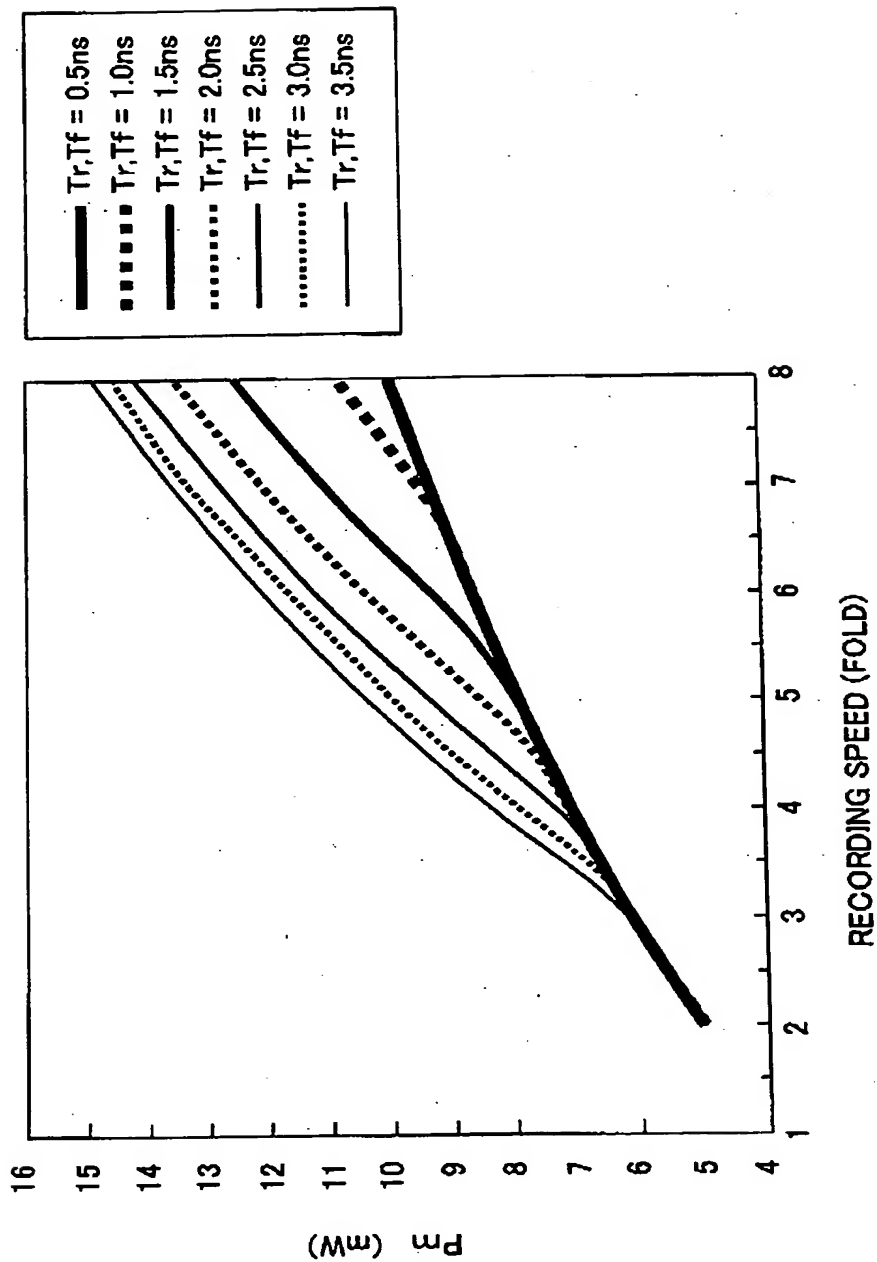


Fig. 10

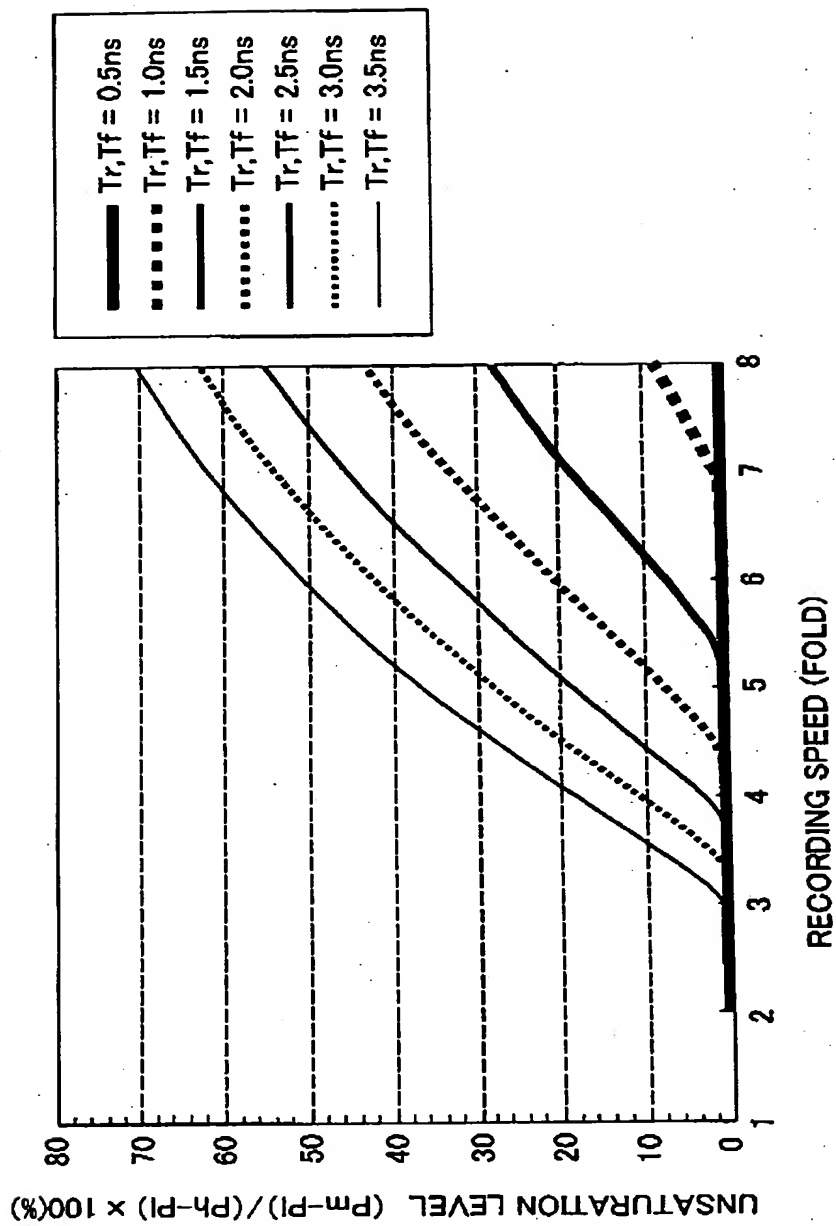


Fig. 11

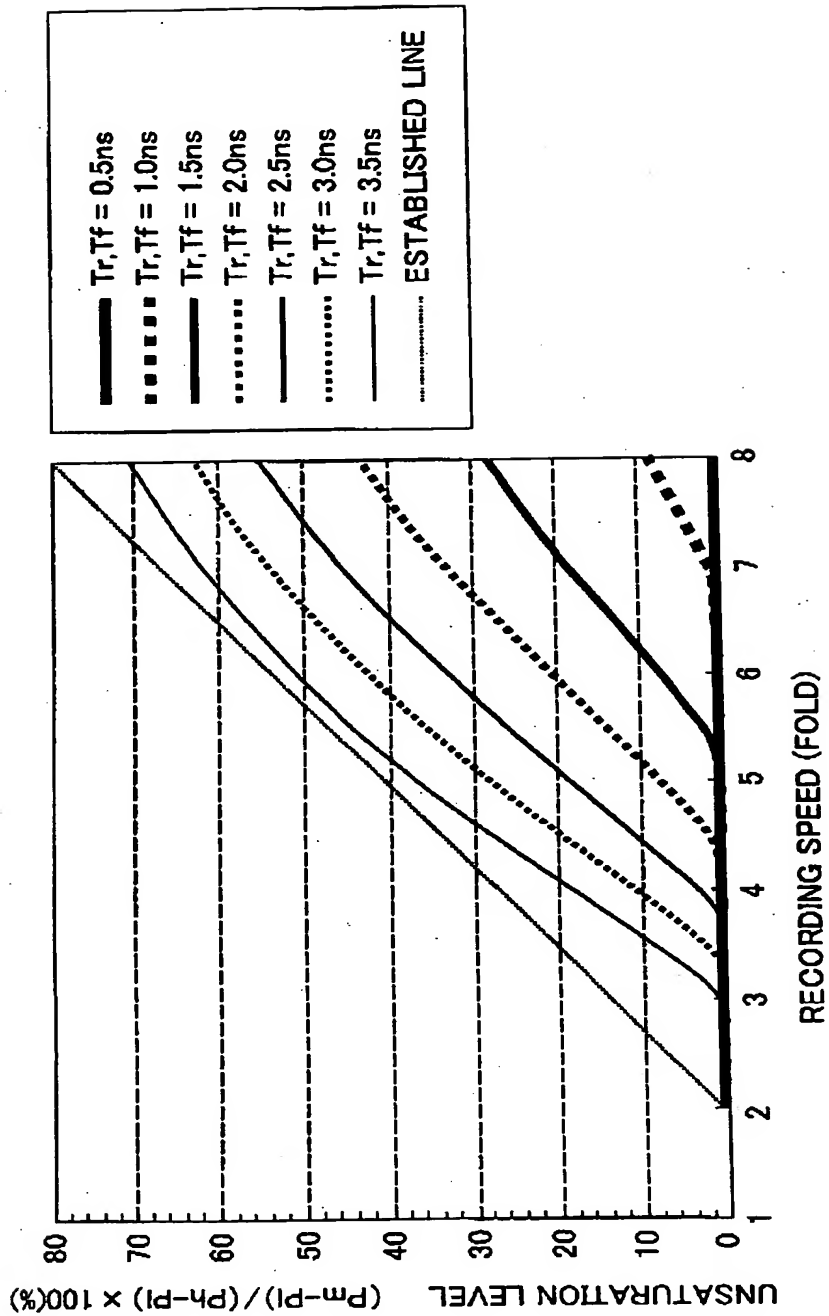


Fig. 12

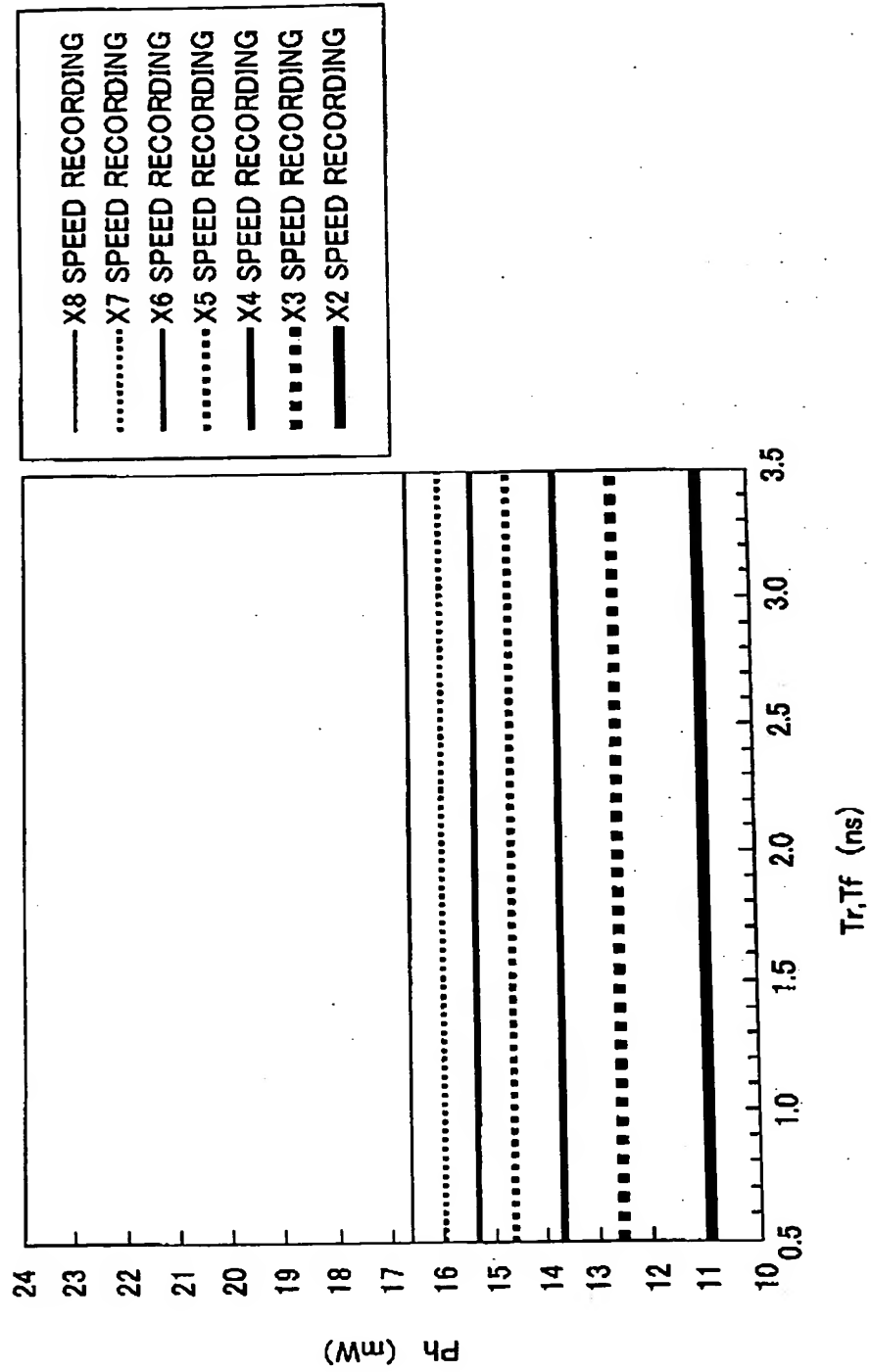


Fig. 13

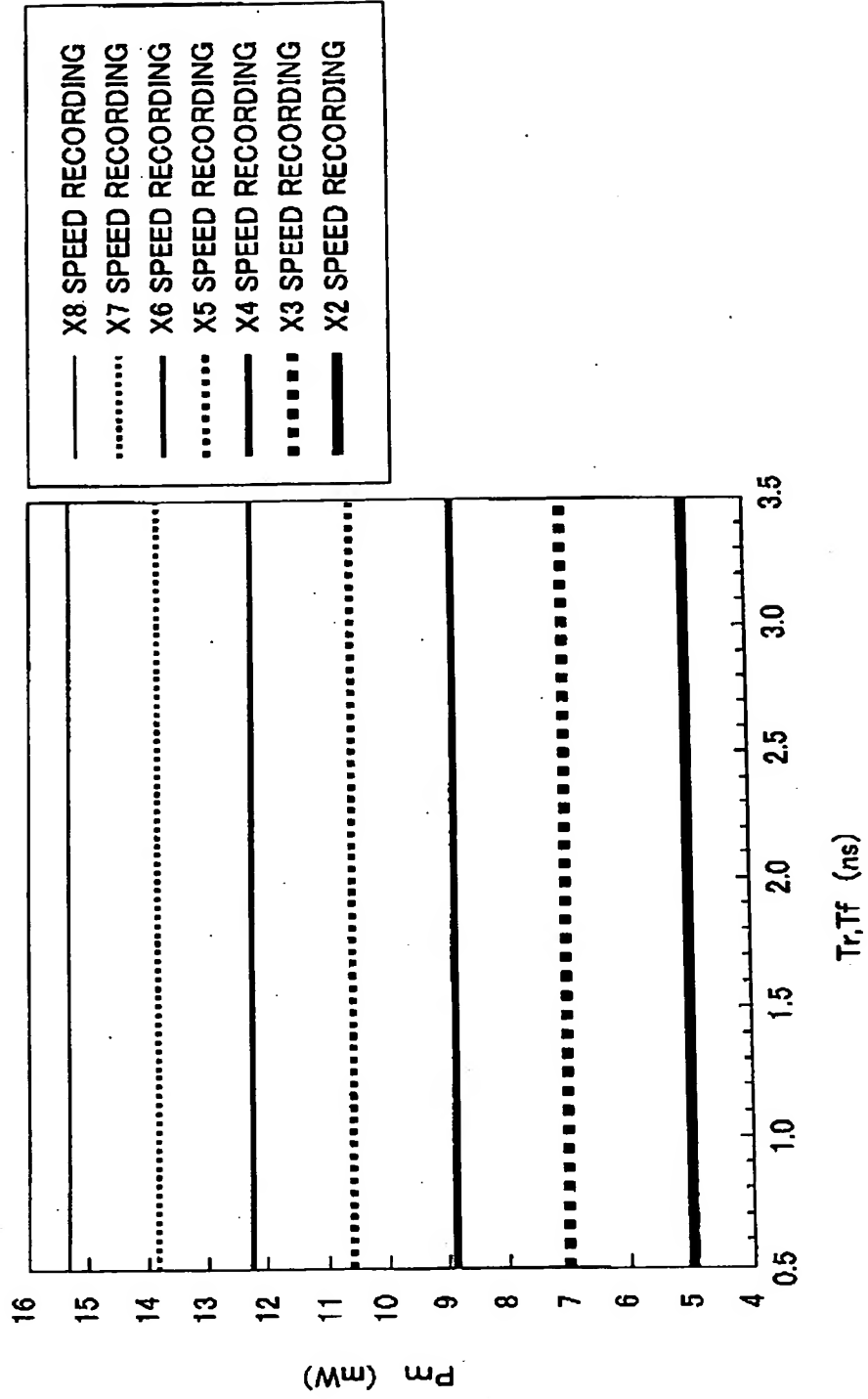


Fig. 14

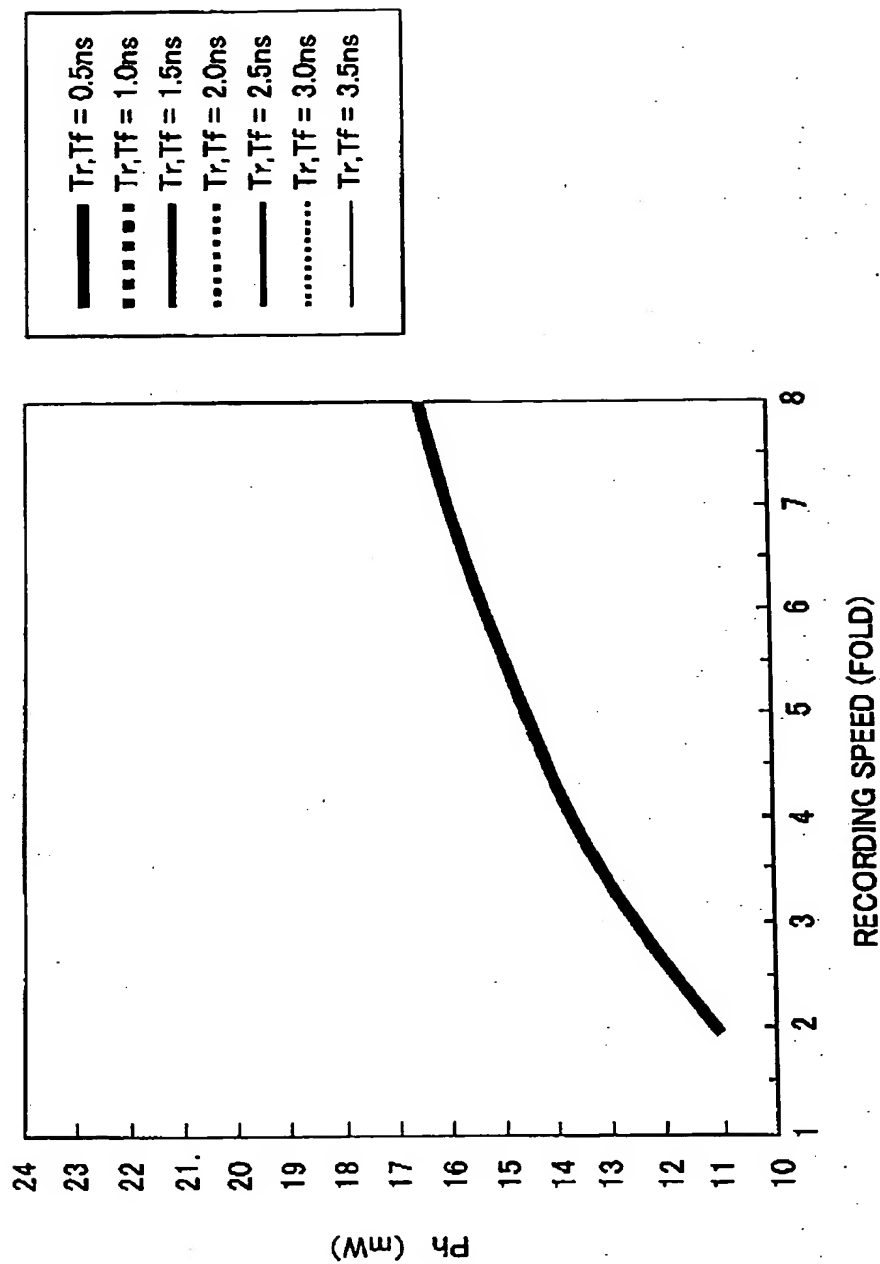


Fig. 15

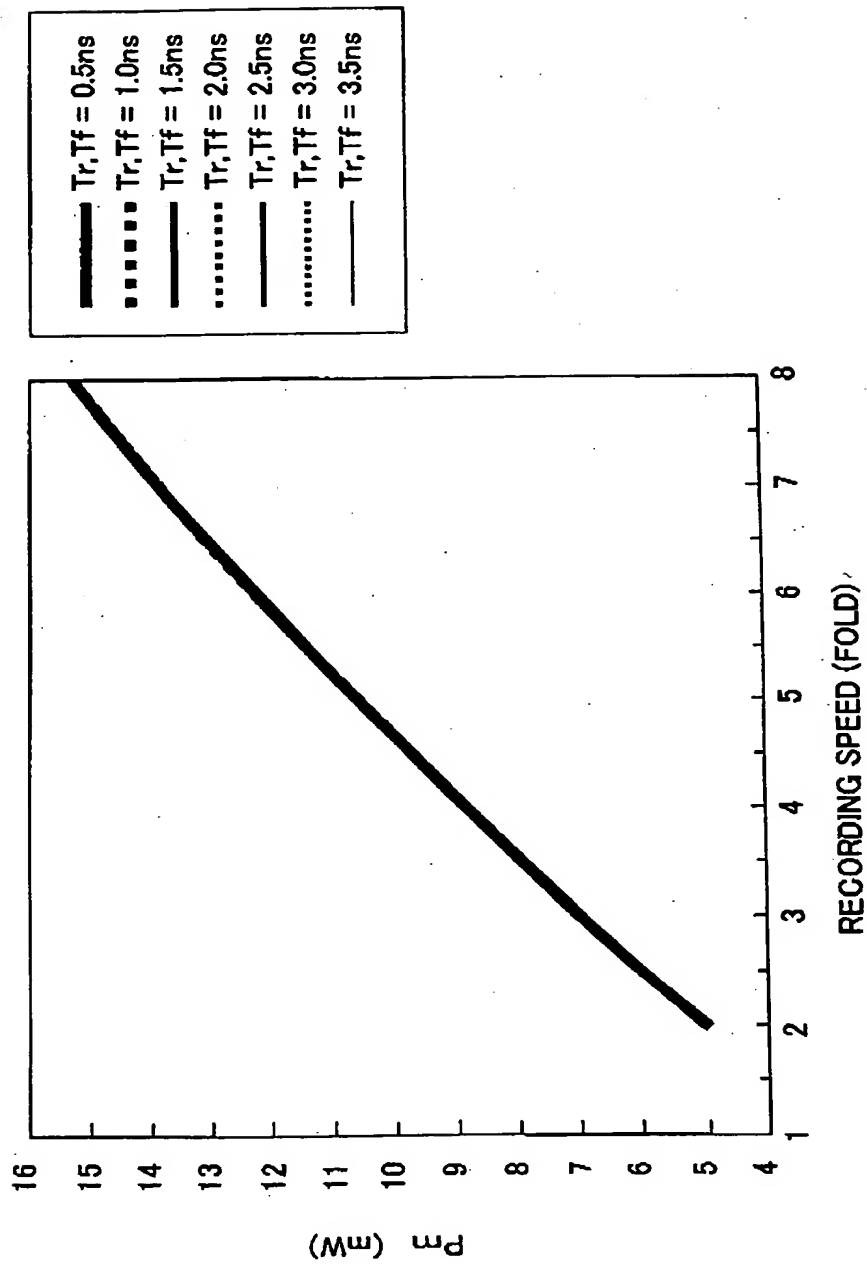
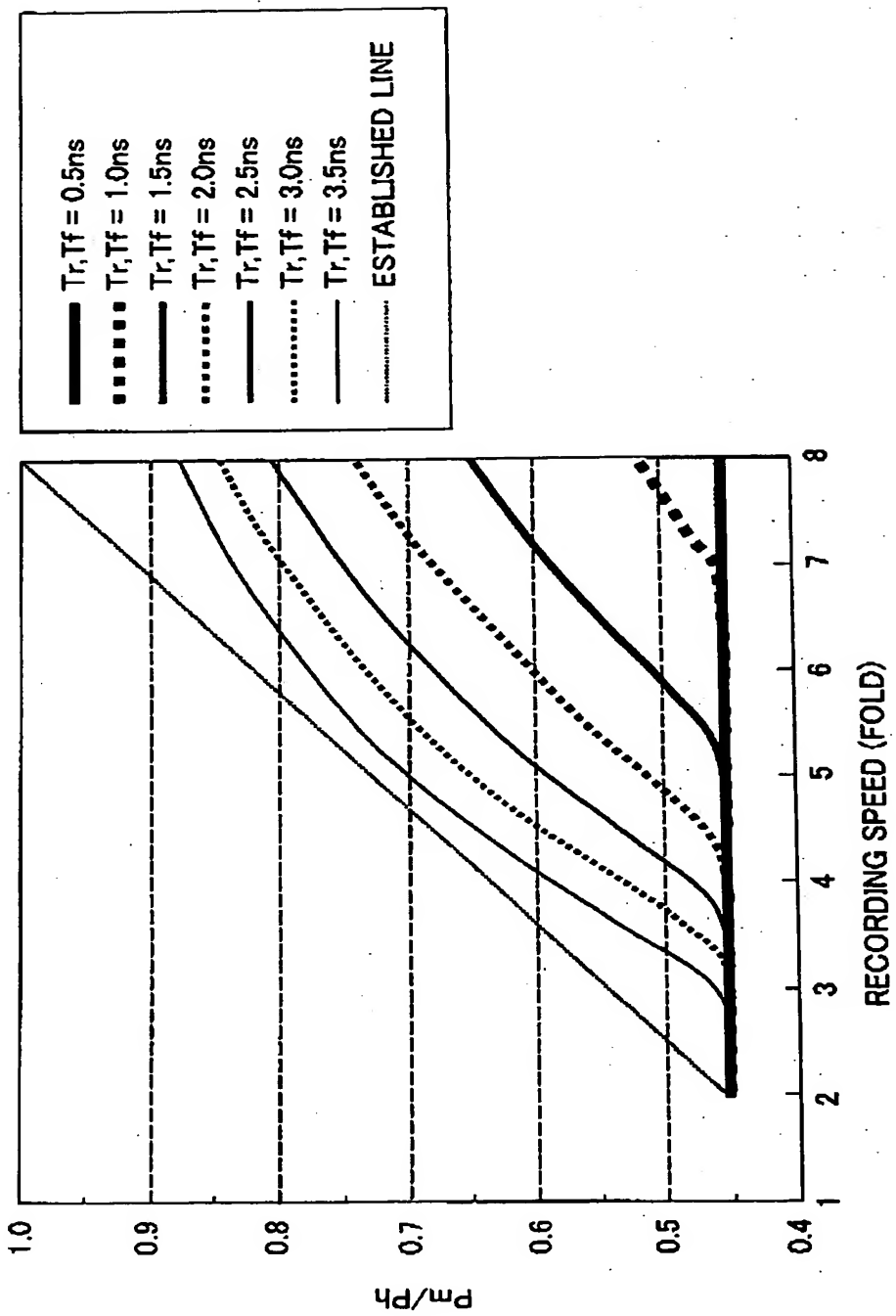


Fig. 16



The graph plots the ratio $(P_m/P_h)/(P_m \times 2/P_h \times 2)$ on the y-axis (ranging from 1.0 to 2.2) against Recording Speed (Fold) on the x-axis (ranging from 1 to 8). A thick solid line represents the 'ESTABLISHED LINE' at a value of 1.0. Several other curves are shown for different combinations of T_r and T_f values:

- $T_r, T_f = 0.5\text{ns}$: A thick solid line that starts at 1.0 and remains flat until approximately 5.5 folds, then rises sharply to about 2.2 at 8 folds.
- $T_r, T_f = 1.0\text{ns}$: A dotted line that starts at 1.0 and rises to about 1.1 at 4 folds, then continues to rise more gradually to about 1.6 at 8 folds.
- $T_r, T_f = 1.5\text{ns}$: A solid line that starts at 1.0 and rises to about 1.2 at 4 folds, then continues to rise to about 1.8 at 8 folds.
- $T_r, T_f = 2.0\text{ns}$: A solid line that starts at 1.0 and rises to about 1.3 at 4 folds, then continues to rise to about 2.0 at 8 folds.
- $T_r, T_f = 2.5\text{ns}$: A solid line that starts at 1.0 and rises to about 1.4 at 4 folds, then continues to rise to about 2.1 at 8 folds.
- $T_r, T_f = 3.0\text{ns}$: A dotted line that starts at 1.0 and rises to about 1.5 at 4 folds, then continues to rise to about 2.2 at 8 folds.
- $T_r, T_f = 3.5\text{ns}$: A solid line that starts at 1.0 and rises to about 1.6 at 4 folds, then continues to rise to about 2.2 at 8 folds.

A legend in the top right corner identifies the line styles and their corresponding T_r, T_f values. A thick solid line is labeled 'ESTABLISHED LINE'.

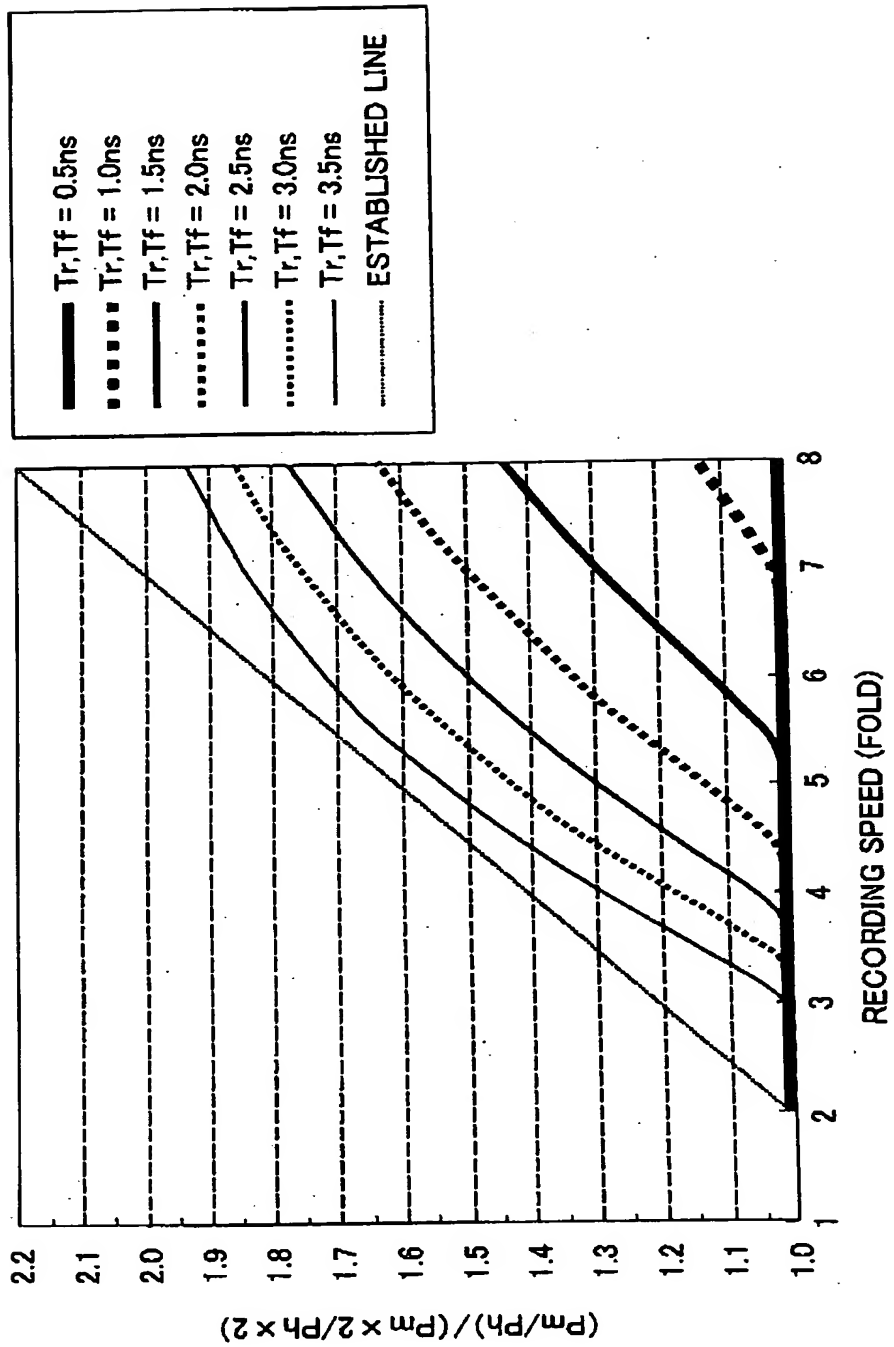


Fig. 18

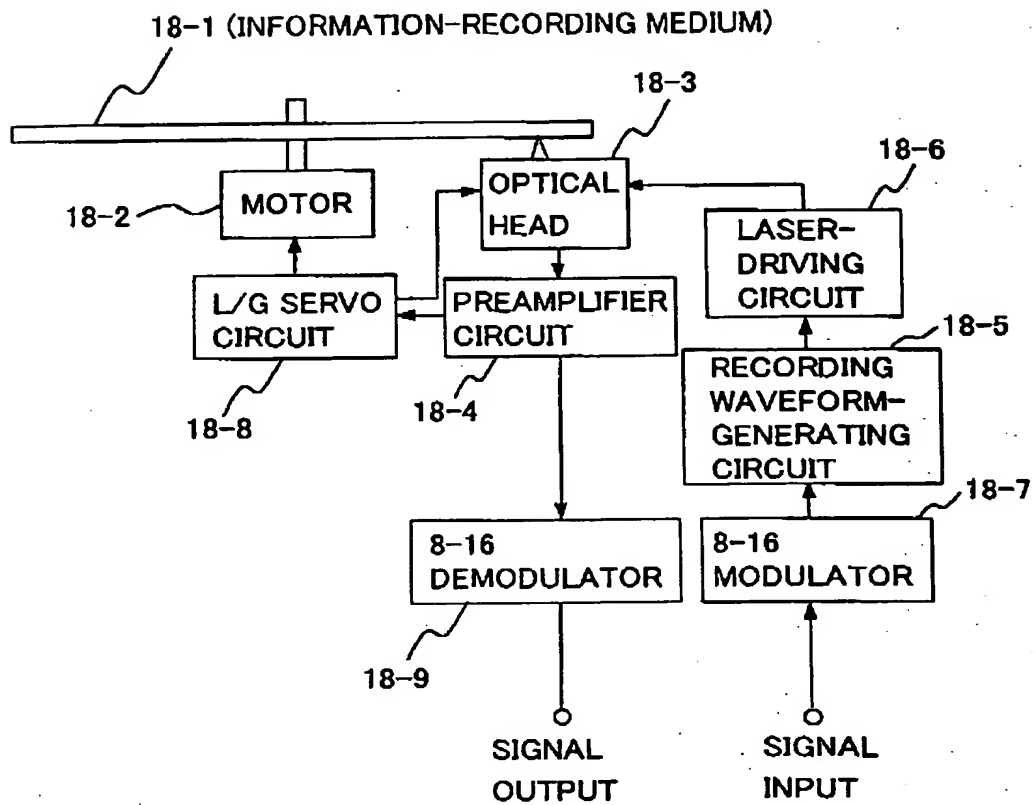


Fig. 19

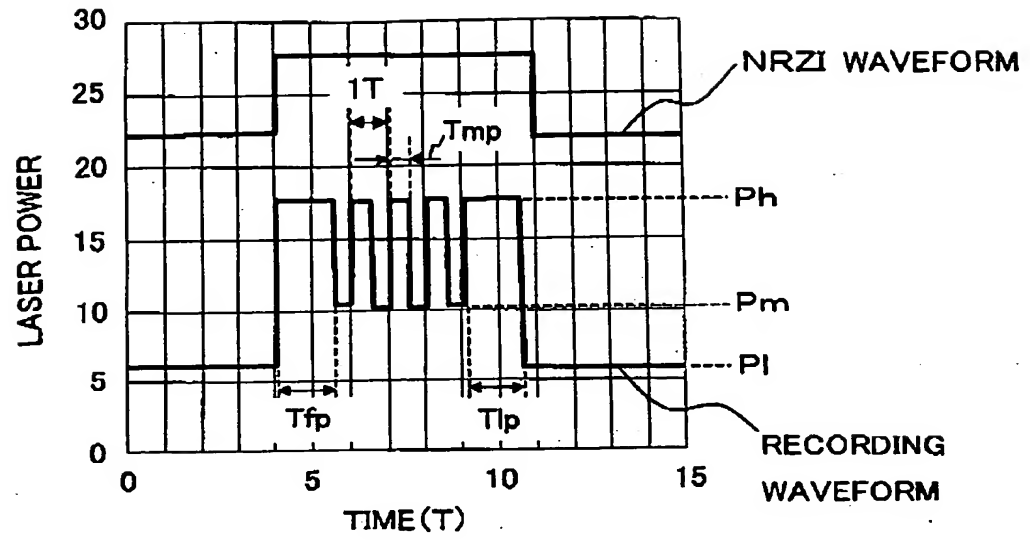
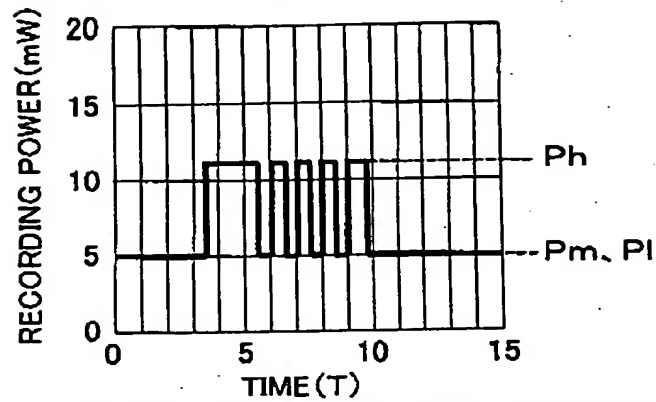
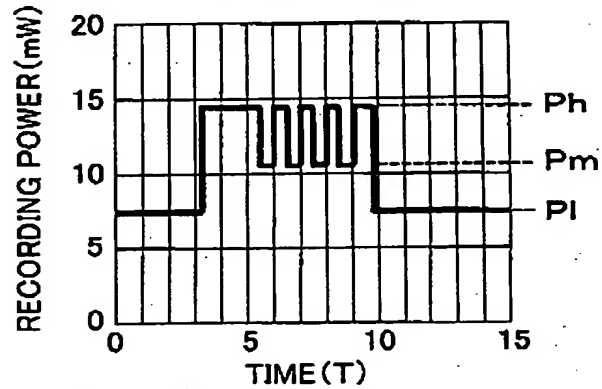


Fig. 20A



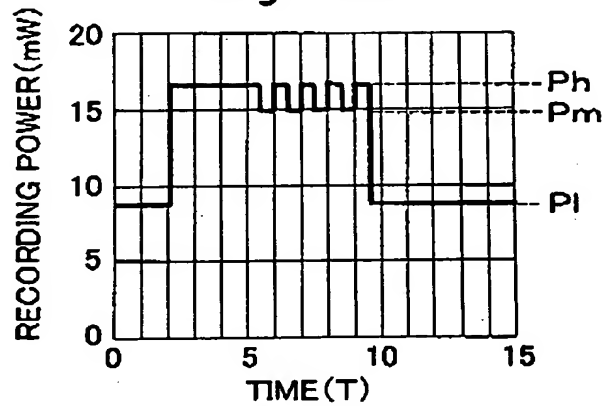
(1) RECORDING WAVEFORM UPON LOW SPEED RECORDING

Fig. 20B



(2) RECORDING WAVEFORM UPON HIGH SPEED RECORDING

Fig. 20C



(3) RECORDING WAVEFORM UPON HIGHER SPEED RECORDING